CODAR®

TELECOMMUNICATIONS AND
ELECTRONIC EQUIPMENT MANUFACTURERS



CODAR® TELECOM LTD.

UNIT 2 · BURRELL BUILDINGS · CHURCHILL INDUSTRIAL ESTATE · LANCING · SUSSEX · ENG.
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PR40 PRE SELECTOR UNIT.

INSTALLATION INSTRUCTIONS.

FITTING BATTERY.

Remove the top cover by unscrewing the four screws holding the feet. The battery is housed at the right hand side, the unit being designed for 9 volt DC supply, EVER READY. TYPE PP6 or equivalent.

Connect the battery lead, noting its correct sockets. Take care not to knock the CODAR air spaced inductor (coil) as one shorted turn will greatly reduce the "Q" and performance. Fit the battery in the spring cord/loop with the battery connector at the front.

Due to the low consumption of under 10 M/A, the battery should last some months with normal use. The PR40 will still function on low voltages at reduced gain. Check the battery occasionally, or change it at regular intervals to ensure maximum performance.

OUTPUT COAXIAL CABLE.

One end is connected to the receiver, the centre conductor to its aerial terminal and the screen braiding to its earth terminal. The screen braiding connection must be short and direct. Do not use any ordinary wire to extend the coax cable ends. Fit the coax plug supplied to the other end of the cable, which should not be longer than necessary. Insert plug into the coax socket on the rear of the unit.

PLEASE NOTE.

Due to the very high gain of the PR40 PRE SELECTOR UNIT it is essential that good connections are made to the cable. Ensure that the braiding is making good contact to the shell of the plug, and that the connections to the receiver are short and direct.

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AERIAL CONNECTIONS.

Provision is made for either single wire or dipole aerials by the Selector switch on the rear of the unit. For single wire aerials, the switch is moved to the right, (viewing unit from rear) and to the left for dipole aerials. The single wire aerial and earth are connected to the A and E terminals, and earth, if used, connected direct to the receiver earth terminal together with the screen braiding of the output coax cable.

TUNING.

With the PR40 Bandswitch in the range required to correspond with the receiver frequency range, and the gain control at maximum, peak the tuning control for loudest signal. On the higher frequencies, and particularly on receivers with no R.F. stage, two tuning points may be found.

One will be the receiver I.F. image and the correct tuning point will be the highest number of the two points on the Peak tuning scale. This does not apply if the PR40 is being used in conjunction with a T.R.F. receiver where only one Peak tuning point will be found.

The gain control should be adjusted according to the strength of the signal. On very strong signals, the gain should be reduced to avoid any tendency of the receiver to produce cross modulation effects on very high signal levels. On receivers not employing a product detector for SSB (Single Side Band)transmissions, the signal level can be adjusted by the gain control to obtain the best signal input required by the receiver's B.F.O. for best resolution.

WARNING.

If the PR40 is used in amateur or commercial stations employing transmitting equipment, care must be taken that the input is not subjected to excessive R.F., and that the usual aerial changeover system is in use. Excessive R.F. can damage the FET first stage and will render the guarantee void. Some measure of protection can be obtained by switching the unit to another band during transmission.

We trust your PR40 will give you every satisfaction. It has been built with top quality materials, checked and tested to specification standards before despatch.

It is fully guaranteed against faulty materials or workmanship for a period of 12 months.

The guarantee card enclosed must be completed and returned to us within 10 days of receipt of the unit.